

Title (en)
CONTINUOUSLY VARIABLE OR FIXED RATIO VELOCITY TRANSMISSION MECHANISM

Publication
EP 0333630 A3 19921119 (EN)

Application
EP 89630052 A 19890313

Priority
US 16748988 A 19880314

Abstract (en)
[origin: EP0333630A2] A traction transmission mechanism comprising a toric shaped inner race element (4), a toric shaped outer race element (11), the inner race element (4) being formed of two halves (5,6), a series of pairs of transmission and traction rollers (7 through 10) arranged between the toric shaped race elements (4,11) riding upon their inner surfaces, so as to provide for the transmission of force from a driving means, such as a driving shaft (3), upon which the inner race element (4) operatively associates, to furnish traction force through the rollers (7 through 10) to the outer toric race element (11), to furnish a transmitted force, subject to control through this particular transmission, to an output or driven means or shaft (13). Various mechanisms are provided for equalization of the forces generated in and through this particular transmission, during its functioning, and which includes the pair of inner race elements (5,6) being capable of shifting, with respect to each other, either towards or away from each other.

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IPC 8 full level
F16H 15/38 (2006.01); **F16H 61/28** (2006.01)

CPC (source: EP US)
F16H 15/38 (2013.01 - EP US)

Citation (search report)
• [AD] US 2123006 A 19380705 - HAYES FRANK A [US]
• [A] EP 0133330 A1 19850220 - LEYLAND VEHICLES [GB]
• [A] US 3345882 A 19671010 - NOEL ARMSTRONG JOHN

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EP1731796A3; US9175758B2

Designated contracting state (EPC)
DE FR GB

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EP 0333630 A2 19890920; EP 0333630 A3 19921119; JP H028556 A 19900112; US 4885949 A 19891212

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EP 89630052 A 19890313; JP 5805389 A 19890313; US 16748988 A 19880314